Challenges of Integrating EMS Data

statewide perspective

Ted Delbridge, MD, MPH
o 24 jurisdictions

o Common statewide electronic patient care record
  o NEMSIS 3.4
  o 24 hour window to complete
  o One patient = One report

o “Short form” used to convey immediate factors
I. Receive from the EMS personnel at time of hand off either the completed eMEDS® report on the Hospital Dashboard or MIEMSS standardized and approved short form;

J. Include in the patient’s hospital medical record the downloaded eMEDS® patient care report forms from the eMEDS® Hospital Dashboard /Hub and, when used, the MIEMSS standardized and approved short forms; and

K. Develop and implement a process for linking the MIEMSS-approved Prehospital Consultation/Interventions Radio Report Forms to the radio consult and incorporation into the hospital patient medical record.
In the EHR

- Media
- “EMS”
- Other
Chesapeake Regional Information System for our Patients
Overview – Goals

○ Provide in-hospital access to pre-hospital care data
○ Provide primary care access to pre-hospital care data
○ Share clinical data for mobile integrated health programs
○ Improve patient safety
○ Enhance prehospital care effectiveness
○ Provide patient outcomes data to EMS clinicians
○ Safe & secure
XML Being Sent to CRISP

<ePatient>
  <ePatient.01>c41ce907-80d6-4528-b6fa-da1451b0e1ef</ePatient.01>
  <ePatient.PatientNameGroup>
    <ePatient.02>Cantera</ePatient.02>
    <ePatient.03>Jason</ePatient.03>
    <ePatient.04>Allen</ePatient.04>
  </ePatient.PatientNameGroup>
  <ePatient.05 StreetAddress2="MIEMSS">653 W Pratt Street</ePatient.05>
  <ePatient.06>2390166</ePatient.06>
  <ePatient.07>24015</ePatient.07>
  <ePatient.08>24</ePatient.08>
  <ePatient.09>21921</ePatient.09>
  <ePatient.10>US</ePatient.10>
  <ePatient.13>9906003</ePatient.13>
  <ePatient.14 CorrelationID="aa157219-3682-4a0e-929c-68d8300674a0">2514003</ePatient.14>
  <ePatient.AgeGroup>
    <ePatient.15>32</ePatient.15>
    <ePatient.16>2516009</ePatient.16>
  </ePatient.AgeGroup>
  <ePatient.17>32</ePatient.17>
  <ePatient.18 CorrelationID="8b6c00d1-5849-4f0a-b15c-3b799f64839f" PhoneNumberType="9913005">443-750-2541</ePatient.18>
</ePatient>
134 Data Elements
Next:

- Expand data elements to emulate completed record
- Export eMEDS report to hospital EMR
  - Designated landing space
  - Fulfill regulatory requirements
- Bi-directional flow
  - EMS to CRISP
  - CRISP to EMS
Thank you!